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STAND RECORD

FORESTS

Stand No. 2024

Name: COLGATE
County: WASHINGTON

Locality:

T: 9N R: 19E Sec: NE 34

Date: 6-10-52

Observers: WARD, WARE, DIX, ARCHBOLD

Size of Stand: 15A

Size of Area Sampled:

Forest Type: S. MAPLE

Soil Type:

Topography: DEEP RAVIDE DOWN THRU
MIDDLE

Slope:

Directions

Condition of Stand:

FAIR - SOME OLD CUTTING.

Open Grown Trees:

% Canopy: 85-90

Stumps:

1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A ₀									
A ₁									
A ₂									
B									

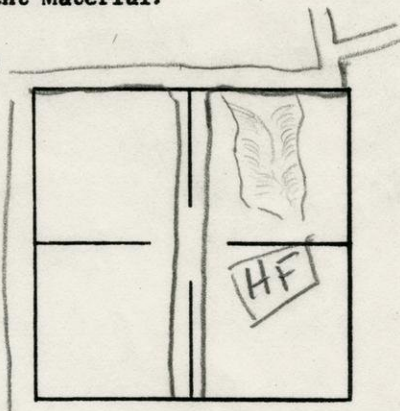
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/4" - 1/2" -	MAPLE-OAK-BASSWOOD PRIMARY
A ₁	1/2" -	DK. GREY - FAIRLY WELL CONSOLIDATED
A ₂	3" -	DK BROWN - GREY CLAYLOAM INTO LIGHT BROWN CLAY
B		

Parent Material:

Map:



CI-2467

2024N

BASIN Area

65

50

70

15

20

22

35

30

35

40

15

65

25

20

80

15

21

75

17

45

55

25

30

19

40

65

40

35

90

85

35

30

45

18

50

65

85

30

SUGAR 1602*

80

120

45

105

65

415*

CARNA
OVATA

80

60

230

370*

BULL
(FAGNS)

40

45

75

65

225*

TRAY
AMER.

20

16

18

25

18

97*

OSTREA
VIRG.

150

70

230*

PRINUS
SEROTI

35

85

120*

Q. ALBA

65

270

410

745*

Q. RUBRA

110

160

45

45

45

350

160

70

120

45

12

110

12

1284*

BASSWOOD

35

90

35

75

30

35

13

313*

ULM.
AMER.

160229.66

415 7.68

370 6.85

225 4.16

97 1.80

230 4.26

120 2.22

745 13.79

1284 23.77

313 5.80

Total B.A.

5401*

99.99

SUG. MAPLE

$$\begin{aligned} \# \text{ pts } \frac{28}{40} &= 70.00 \\ \# \text{ trees } \frac{38}{80} &= 47.50 \\ \% \text{ SF} &= 40.00 \\ &29.66 \\ \hline &117.16 \end{aligned}$$

CARNA ODATA

$$\begin{aligned} \# \text{ pts } \frac{5}{40} &= 12.50 \\ \# \text{ trees } \frac{5}{80} &= 6.25 \\ \% \text{ SF} &= 7.14 \\ &7.68 \\ \hline &21.07 \end{aligned}$$

BEECH

$$\begin{aligned} \# \text{ pts } \frac{2}{40} &= 5.00 \\ \# \text{ trees } \frac{2}{80} &= 2.50 \\ \% \text{ SF} &= 2.86 \\ &6.85 \\ \hline &12.21 \end{aligned}$$

FRAX AMER

$$\begin{aligned} \# \text{ pts } \frac{4}{40} &= 10.00 \\ \# \text{ trees } \frac{4}{80} &= 5.00 \\ \% \text{ SF} &= 5.71 \\ &4.16 \\ \hline &14.87 \end{aligned}$$

OSTREA

$$\begin{aligned} \# \text{ pts } \frac{5}{40} &= 12.50 \\ \# \text{ trees } \frac{5}{80} &= 6.25 \\ \% \text{ SF} &= 7.14 \\ &1.80 \\ \hline &15.19 \end{aligned}$$

PRUNUS SEROT

$$\begin{aligned} \# \text{ pts } \frac{2}{40} &= 5.00 \\ \# \text{ trees } \frac{2}{80} &= 2.50 \\ \% \text{ SF} &= 2.86 \\ &4.26 \\ \hline &9.62 \end{aligned}$$

Q. ALBA

$$\begin{aligned} \# \text{ pts } \frac{2}{40} &= 5.00 \\ \# \text{ trees } \frac{2}{80} &= 2.50 \\ \% \text{ SF} &= 2.86 \\ &2.22 \\ \hline &7.58 \end{aligned}$$

Q. RUBRA

$$\begin{aligned} \# \text{ pts } \frac{3}{40} &= 7.50 \\ \# \text{ trees } \frac{3}{80} &= 3.75 \\ \% \text{ SF} &= 4.29 \\ &13.79 \\ \hline &21.83 \end{aligned}$$

BASSWOOD

$$\begin{aligned} \# \text{ pts } \frac{12}{40} &= 30.00 \\ \# \text{ trees } \frac{12}{80} &= 15.00 \\ \% \text{ SF} &= 17.14 \\ &23.77 \\ \hline &55.91 \end{aligned}$$

ULMUS AMER

$$\begin{aligned} \# \text{ pts } \frac{7}{40} &= 17.50 \\ \# \text{ trees } \frac{7}{80} &= 8.75 \\ \% \text{ SF} &= 10.00 \\ &5.80 \\ \hline &24.55 \end{aligned}$$

$$\Sigma \% \text{ F} = 175.00$$

$$\Sigma (\% \text{ SF}) = 100.00$$

$$\% \text{ SF} = 100.00$$

$$\Sigma (\text{IVs}) = 30000$$

S. MAPLE

$$117.16 \times 10 = 1172$$

CARNA ODATA

$$21.07 \times 3.5 = 74$$

BEECH

$$12.21 \times 10 = 122$$

FRAX. AMER

$$14.87 \times 8 = 119$$

OSTREA

$$15.19 \times 9 = 137$$

PRUNUS SEROT

$$9.62 \times 4 = 38$$

Q. ALBA

$$7.58 \times 4 = 30$$

Q. RUBRA

$$21.83 \times 6 = 131$$

BASSWOOD

$$55.91 \times 8 = 448$$

ULM. AMER

$$24.55 \times 8 = 196$$

C.I.

$$2467$$

POINT RECORD TREES

SOUTHERN HARDWOODS ①

Stand No. 2024

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum	65 3	50 704	4	3	15 2	20 2	3	2	22 1	35 30
Betula papy.										
Carpinus car										
Carya cord	1									
C. ovata								80		
Celtis occ										
Crataegus sp.										
Fagus grand				80 60						
Fraxinus am								L		
F. nigra										
Juglans cin										
J. nigra										
Ostrya virg			20	1	2	16 2	1	1	1	1
Populus gran										
P. tremul										
Prunus serot										
Quercus alba									35	
Q. ellipsoid										
Q. macrocarpa										
Q. rubra							65		1	
Q. velutina										
Tilia amer		11	110	160	45		45			
Ulmus amer	35							90		
Ulmus fulva										
Distance	14	14	15.5	17.5	9	10	8	18	21.5	13.5

POINT RECORD TREES

SOUTHERN HARDWOODS ②

Stand No. 2024

STATION NO.	1	2	3	4	5	6	7	8	9	10					
Acer rubrum	35	3	4	40											
A. saccharum	↓	↓	↓	2	15	1	65	20	80	15	75	4	17	1	25
Betula papy.															
Carpinus car															
Carya cord															
C. ovata							120								
Celtis occ															
Crataegus sp.															
Fagus grand															
Fraxinus am															
F. nigra															
Juglanscin															
J. nigra															
Ostrya virg		18	25	2					3						
Populus gran															
P. tremul															
Prunus ^{virg} serot								2							
Quercus alba													85	1	
Q. ellipsoid															
Q. macrocarpa															
Q. rubra									270						
Q. velutina															
Tilia amer	45	45				350									
Ulmus amer				35											
Ulmus fulva															
Distance	14	13	12	19.5	19	26	170	16.5	22.5	20					

POINT RECORD TREES

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum	45									
A. saccharum	45 55	25 30	40 19	40 65	40 2	35 90	85 3	35 1	30 3	18 4
Betula papy.										
Carpinus car										
Carya cord										
C. ovata						45				
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin										
J. nigra										
Ostrya virg							2			
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra			410							
Q. velutina										
Tilia amer								160		
Ulmus amer					75					30
Ulmus fulva										
Distance	16	17	13.5	5	6.5	15	16	18.5	23.5	14

29

2

145.0

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 2024

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum	3	1	50 65	4 85	4	4	3	4	4	4 30
Betula papy.										
Carpinus car										
Carya cord										
C. ovata						105				65
Celtis occ										
Crataegus sp.										
Fagus grand						230				
Fraxinus am	40	45					75	65		
F. nigra										
Juglans cin										
J. nigra										
Ostrya virg								18		
Populus gran										
P. tremul										
Prunus serot					160				70	
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina										
Tilia amer	70		2	120	120 110				12	
Ulmus amer		35					13	16		
Ulmus fulva										
Distance	15	10	13	15	17	39	30.5	11	16.5	14

33

2

1

181.0
6465

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
HERBS:																								
<i>Acer spicatum</i>																								
<i>Actaea pachypoda</i>	✓												✓		✓								2	10
<i>A. rubra</i>																								
<i>Adiantum pedatum</i>																								
<i>Agrimonia gryposepala</i>																								
<i>Ajuga genevensis</i>																								
<i>Allium tri coccum</i>																								
<i>Amelanchier sp.</i>																								
<i>Anemone canadensis</i>																								
<i>A. cylindrica</i>																								
<i>A. quinquefolia</i>																								
<i>A. virginiana</i>																								
<i>Angelica atropurpurea</i>																								
<i>Antennaria sp.</i>																								
<i>Aplectrum hyemale</i>																								
<i>Apocynum androsaemifol.</i>																								
<i>Aquilegia canadensis</i>																								
<i>Arabis canadensis</i>																								
<i>A. perstellata</i>	✓																✓	✓			✓	3	15	
<i>Aralia nudicaulis</i>	✓																✓	✓			✓	3	15	
<i>A. racemosa</i>																								
<i>Arenaria lateriflora</i>																								
<i>Arisaema atrorubens</i>																								
<i>Asarum canadense</i>																								
<i>Asclepias exaltata</i>																								
<i>Aster macrophyllus</i>	✓										✓										✓	3	15	
<i>A. prenanthoides</i>	✓					✓	✓																	
<i>A. sagittifolius</i>	✓																					2	10	
<i>A. shortii</i>	✓								✓													1	5	
<i>Astragalus neglectus</i>																								
<i>Athyrium filix-femina</i>																								
<i>Botrychium virginianum</i>	✓										✓	✓	✓		✓							4	20	
<i>Brachyelytrum erectum</i>	✓																							

TABULATION FORM

BEECHWOOD'S

Stand No. 20

[illegible]

TABULATION FORM

BEECHWOOD'S

Stand No. 20

[illegible]

Data Form No. 60

Plant Ecology Research

Univ. of Wisconsin

Stand No. 2024

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
HERBS:																							
M. nuda																							
Monarda fistulosa																							
Moneses uniflora																							
Monotropa uniflora																							
Onoclea sensibilis																							
Oryzopsis asperifolia	✓				✓				✓	✓	✓	✓	✓					✓					
Osmorhiza claytoni	✓				✓				✓	✓	✓	✓	✓					✓					7 35
O. longistylis																							
Osmunda claytoniana																							
Oxalis montana																							
Panax quinquefolia																							
P. trifolius																							
Parietaria pensylvanica	✓							✓	✓	✓		✓											4 20
Parthenocissus inserta	✓							✓	✓	✓		✓											
Pedicularis lanceolata																							
Phlox divaricata	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓					13 65
Phryma leptostachya	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓					
Pilea pumila																							
Poa sp.			✓	✓	✓	✓	✓												✓				6 30
Podophyllum peltatum	✓		✓	✓	✓	✓	✓												✓				
Polygala pauciflora																							
P. senega																							
Polygonatum canaliculat.		✓	✓		✓				✓	✓	✓		✓	✓	✓			✓	✓	✓			12 60
Polygonatum pubescens	✓	✓	✓		✓				✓	✓	✓		✓	✓	✓			✓	✓	✓			
Potentilla simplex			✓																				
Prenanthes alba	✓		✓																				1 5
Prunella vulgaris																							
Prunus virginiana																							
Pteritis pensylvanica																							
Pteridium aquilinum																							
Pyrola elliptica																							
P. secunda																							
Pyrus americana																							
Ranunculus abortivus																							
R. recurvatus																							
R. septentrionalis	✓								✓		✓												2 10
Rhus radicans									✓		✓												
Ribes americanum	✓		✓																				1 5
R. cynosbati	✓		✓																				
Rosa sp.																							
Rubus-dewberry																							
Rubus-blackberry																							
Rubus-raspberry																							
Rubus parviflorus																							
Rudbeckia laciniata																							
Sambucus canadensis																							
S. pubens	✓										✓	✓											
Sanguinaria canadensis	✓									✓	✓	✓											2 10
Sanicula gregaria	✓						✓			✓				✓									1 5
S. marilandica	✓						✓			✓				✓									3 15
Saxifraga sp.																							

TABULATION FORM

BEECHWOODS

Stand No. 2024

[illegible]

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

COLGATE, WASH CO Stand No. 2024
6-10-52
WARE
DIX
WARD
Quadrat No.

Actaea pachypoda ✓
Adiantum pedatum ✓
Agrimonia grypsossepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis ✓
A. racemosa ✓
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus ✓
A. sagittifolius
A. shortii ✓
Athyrium filix-femina ✓
Botrychium virginianum ✓
Brachyelytrum erectum ✓
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides ✓
Celastrus scandens
Circaea quadrisulcata ✓
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum ✓
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaeazans ✓
G. concinnum ✓
G. lanceolatum
G. triflorum
Geranium maculatum ✓
Gerardia grandiflora
Geum canadense ✓
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus ✓
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis ✓
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis ✓
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa ✓
Osmorhiza clayton. ✓
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta ✓
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum ✓
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba ✓
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans ✓
Ribes americanum
R. cynosbati ✓
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis ✓
Sanicula gregaria
S. marilandica ✓
Smilacina racemosa ✓
S. stellata
Smilax ecirrhata ✓
S. herbacea ✓
S. tamnoides
Solidago altissima ✓
S. flexicaulis ✓
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum ✓
T. flexipes
T. grandiflorum ✓
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora ✓
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata ✓
V. pubescens ✓
Vitis aestivalis
V. riparia
Xanthoxylum americ. ✓
Zizia aurea

Additional species:

Bromus latiglumis

Carex spp.
Cirsium

Carex leueyana
Sambucus pubens

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Colgate

Stand No. 2024
Quadrat No. 1

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
✓ Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
✓ Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
✓ Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

c-1 composite

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 2

✓ *Actaea pachypoda*
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
✓ *G. circaeans*
G. concinnum
G. lanceolatum
G. triflorum ✓
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
✓ *Phryma leptostachya*
✓ *Podophyllum peltatum*
Polemonium reptans

Polygonatum canaliculatum
✓ *Polygonatum pubescens*
Potentilla simplex
✓ *Prenanthes alba*
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
✓ *R. cynosbati*
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
✓ *Smilacina racemosa*
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
✓ *Trillium cernuum*
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
✓ *Uvularia grandiflora*
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
✓ *Viola cucullata*
V. pubescens
Vitis aestivalis
V. riparia
✓ *Xanthoxylum americ.*
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

COLGATE

Stand No. 2024
Quadrat No. 3

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaezans
G. concinnum ✓
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum bitermum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum ✓
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata ✓
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

COLGATE

Stand No. 2024
Quadrat No. 4

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides ✓
Celastrus scandens
Circaea quadrisulcata ✓
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaezans
G. concinnum ✓
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica ^{amaro} acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. ✓
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum ✓
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum ✓
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

COLLATE

Stand No. 2024
Quadrat No. 5

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius ✓
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum ✓
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum ✓
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima ✓
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

~~Lancea oblong.~~ C-5 = Symphoricarpos albus
grass sp. (not Panicum) = Bromus latiglumis f. incana

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 6

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius ✓ ?
A. shortii
Athyrium filix-femina
Botrychium virginianum ✓
Brachyelytrum erectum ✓
Campanula americana
Carex albursina
C. pennsylvanica
Caulophyllum thalictroides
Celastrus scandens ✓
Circaea quadrisulcata ✓
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum ✓
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica ✓
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum ✓
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ. ✓
Zizia aurea

Additional species:

Grass C-6 (Panicum?) - Brachyelytrum erectum
Cory C-6 - C. pedunculata

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 7

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

that Ben & C-7 = Desmodium glutinosum
Grass C-5 (Bromus?) Composite C-7
Bromus latiglumis f. meano

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 8

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii ✓
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata ✓
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum ✓
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum ✓
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. ✓
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta ✓
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans ✓
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata ✓
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Blau C-7 - Desm. glab.

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 9

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus ✓
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum ✓
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata ✓
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaeans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis ✓
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. ✓
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta ✓
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria ✓
S. marilandica ✓
Smilacina racemosa
S. stellata
Smilax ecirrhata ✓
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum ✓
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Carex a-9 = C. convoluta

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 10

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum ✓
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata ✓
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaezans
G. concinnum ✓
G. lanceolatum
G. triflorum
Geranium maculatum ✓
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis ✓ ?
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. ✓
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans ✓
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis ✓
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Canes C-10 = C. cephalophora

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 10

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata ✓
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum ✓
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. ✓
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta ✓
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis ✓
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Bromus C-5

Bromus latiglumis f. incano

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No.

C Quadrat No. 12

Actaea pachypoda ✓
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum ✓
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides ✓
Celastrus scandens
Circaea quadrisulcata ✓
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. ✓
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa ✓
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum ✓
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 13

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica ✓
Smilacina racemosa
S. stellata
Smilax ecirrhata ✓
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum ✓
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 14

Actaea pachypoda ✓
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum ✓
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 15

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa ✓
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 16

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis ✓
A. racemosa ✓
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides ✓
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis ✓
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
C
Quadrat No. 17

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsossepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis ✓
A. racemosa ✓
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton. ✓
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya ✓
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 18

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsosepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine ✓
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum ✓
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens ✓
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 19

Actaea pachypoda
Adiantum pedatum
Agrimonia grypsossepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 2024
Quadrat No. 20

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis ✓
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus ✓
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaeazans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica ~~acutiloba~~ ✓
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Prob. 08

BEECH

COLGATE

Tree	No.	No.	Size Class	sq. in.	No.	F. %	F. %	D. %	Dom. %	D. F. D.	Station No.		
	Pts.	Tr.	12-80	81-320	321+	Dom	Sap.	Seed	Seed	Tr.	Tr.	Trees	Index
Acerrubrum												Total Length of	
A. saccharum	28	38	35	3		1602	114	81.4	4.00	47.50	29.66	117.16	1172
Carya cord.								0.7				Total Length of	
C. ovata	5	5	3	2		415			7.14	16.25	7.68	21.07	74
Fagus grand.	2	2		2		379			2.86	2.50	6.85	12.21	122
Fraxirus amor.	4	4	4			325	1	10.7	5.71	5.00	4.16	14.87	119
F. pennsylvani.												Ave. Dist. Btw'n	
Juglans cinere.												Trees	16.16
J. nigra												Saplings/unit area	
Ostrya virgin.	5	5	5			97	17	12.1	7.14	6.25	1.80	15.19	137
Populus grand.												Ave. BA (Total BA)	80
P. tremuloides												No. Trees/acre	67.5
Prunus serotin	2	2	1	1		230						Dom./acre	192.6
Quercus alba	2	2	1	1		120							13,000.5
Q. macrocarpa													
Q. rubra	3	3	1	1	1	145	1	0.7	4.29	3.75	13.79	21.83	131
Q. velutina													
Tilia american.	12	12	6	5	1	1284	2	1.4	15.00	50.00	23.77	55.95	448
Ulmus american.	7	7	6	1		313	1	0.7	10.00	8.75	5.80	24.55	186
U. fulva													
Prunus vire						13		2.1					
Totals			80	62	16	2	5401	140	998	1000	1000	99.99	30060

2467

Presence or Frequency
(Common species only)

BEECH WOODS

Stand No. 2024
Quadrat No. 1-5

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium triococcum ^N
Amelanchier sp.
Anemone quinquefolia
Aquilegia canadensis
Arabis canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus
Aster sagittifolius
Aster shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
Carex pensylvanica
Carpinus caroliniana
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Clintonia borealis
Conopholis americ.
Corallorhiza maculata
Cornus alternifolia
Cornus femina
Cornus rugosa
Corylus cornuta
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Diervilla lonicera
Dioscorea villosa
Dirca palustris
Dryopteris disjuncta
Dryopteris spinulosa

Epifagus virginiana
Fragaria virginiana
Galium aparine
Galium circaezans
Galium concinnum ^{1,2,3}
Galium lanceolatum
Galium triflorum
Geranium maculatum ¹
Geum canadense
Hamamelis virginiana
Hepatica acutiloba
Hepatica americana ^{1,2,3,4,5}
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
Laportea canadensis
Lonicera dioica
Lonicera oblongifolia
Lonicera prolifera
Lycopodium lucidulum
Lycopodium obscurum
Maianthemum canadense
Menispermum canadensis
Mitchella repens
Mitella diphylla
Monotropa uniflora
Onoclea sensibilis
Oryzopsis aspesifolia
Osmorhiza claytoni
Osmunda claytoniana
Ostrya virginiana
Parietaria pensylvanica
Parthenocissus inserta
Phryma leptostachya
Pilea pumila
Podophyllum peltatum ⁵
Polygonatum caniculatum
Polygonatum pubescens ^{2,3,4,5}
Potentilla simplex
Prenanthes alba

Prunus virginiana
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp.
Rubus-raspberry
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Sanicula marilandica ^{2,4}
Smilacina racemosa ³
Smilax ecirrhata
Smilax herbacea
Solidago altissima
Solidago flexicaulis
Solidago ulmifolia
Streptopus roseus
Symplocarpus foet.
Taxus canadensis
Thalictrum dioicum
Trientalis borealis
Trillium flexipes
Trillium grandiflorum ^{1,2,3,4,5}
Triosteum perfoliatum
Uvularia grandiflora
Viburnum acerifolium
Viburnum rafinesquianum
Vicia americana
Viola canadensis
Viola cucullata
Viola pallens
Viola pensylvanica
Viola pubescens
Vitis aestivalis
Zanthoxylum americanum

Additional Species:

grass #1 of Keweenaw 1,
3, 2, Aster #1
2, Solidago #1
2, unknown #1

all Allium = A. tricoccum

Presence:
add Galium circaezans

5/9/53

Presence or Frequency
(Common species only)

BEECH WOODS

Stand No. 2024
Quadrat No.

6-10

Actaea pachypoda 6
Actaea rubra
Adiantum pedatum
Allium triococcum
Amelanchier sp.
Anemone quinquefolia
Aquilegia canadensis
Arabis canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus
Aster sagittifolius
Aster shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
Carex pensylvanica
Carpinus caroliniana
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana 6, 8
Clintonia borealis
Conopholis americ.
Corallorhiza maculata
Cornus alternifolia
Cornus femina
Cornus rugosa
Corylus cornuta
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Diervilla lonicera
Dioscorea villosa
Dirca palustris
Dryopteris disjuncta
Dryopteris spinulosa

Epifagus virginiana
Fragaria virginiana
Galium aparine
Galium circaezans
Galium concinnum 10,
Galium lanceolatum
Galium triflorum
Geranium maculatum
Geum canadense 6,
Hamamelis virginiana
Hepatica acutiloba
Hepatica americana 6, 7
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
Laportea canadensis
Lonicera dioica
Lonicera oblongifolia
Lonicera prolifera
Lycopodium lucidulum
Lycopodium obscurum
Maianthemum canadense 10,
Menispermum canadensis
Mitchella repens
Mitella diphylla
Monotropa uniflora
Onoclea sensibilis
Oryzopsis aspesifolia
Osmorhiza claytoni 10,
Osmunda claytoniana
Ostrya virginiana
Parietaria pensylvanica
Parthenocissus inserta
Phryma leptostachya
Pilea pumila
Podophyllum peltatum
Polygonatum caniculatum
Polygonatum pubescens 6, 7, 9,
Potentilla simplex
Prenanthes alba

Prunus virginiana
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp.
Rubus-raspberry
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Sanicula marilandica
Smilacina racemosa 6,
Smilax ecirrhata
Smilax herbacea
Solidago altissima
Solidago flexicaulis
Solidago ulmifolia
Streptopus roseus
Symplocarpus foet.
Taxus canadensis
Thalictrum dioicum 6, 10,
Trientalis borealis
Trillium flexipes
Trillium grandiflorum 6,
Triosteum perfoliatum
Uvularia grandiflora
Viburnum acerifolium
Viburnum rafinesquianum
Vicia americana
Viola canadensis
Viola cucullata
Viola pallens
Viola pensylvanica
Viola pubescens
Vitis aestivalis
Zanthoxylum americanum

Additional Species:

6 unknown (2 from last Pl.)
6- Actaea pachypoda

7 Thalictrum dasycarpum

5/9/53

Presence or Frequency
(Common species only)

BEECH WOODS

Stand No. 2024
Quadrat No.

11-15

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium triococcum
Amelanchier sp.
Anemone quinquefolia
Aquilegia canadensis
Arabis canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus
Aster sagittifolius
Aster shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
Carex pensylvanica (14?)
Carpinus caroliniana
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Clintonia borealis
Conopholis americ.
Corallorhiza maculata
Cornus alternifolia
Cornus femina
Cornus rugosa
Corylus cornuta
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Diervilla lonicera
Dioscorea villosa
Dirca palustris
Dryopteris disjuncta
Dryopteris spinulosa

Epifagus virginiana
Fragaria virginiana
Galium aparine
Galium circaezans
Galium concinnum 11, 13
Galium lanceolatum 14? big leaves
Galium triflorum 14
Geranium maculatum 13, 14, 15
Geum canadense 12
Hamamelis virginiana
Hepatica acutiloba
Hepatica americana 11, 12, 13, 14, 15
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
Laportea canadensis
Lonicera dioica
Lonicera oblongifolia
Lonicera prolifera
Lycopodium lucidulum
Lycopodium obscurum
Maianthemum canadense
Menispermum canadensis
Mitchella repens
Mitella diphylla
Monotropa uniflora
Onoclea sensibilis
Oryzopsis aspesifolia
Osmorhiza claytoni 12, 14, 15
Osmunda claytoniana
Ostrya virginiana
Parietaria pensylvanica
Parthenocissus inserta
Phryma leptostachya
Pilea pumila
Podophyllum peltatum
Polygonatum caniculatum
Polygonatum pubescens 11, 12, 14
Potentilla simplex
Prenanthes alba

Prunus virginiana
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp.
Rubus-raspberry
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis 13, 14
Sanicula gregaria 12
Sanicula marilandica 14
Smilacina racemosa 11, 14, 15
Smilax ecirrhata
Smilax herbacea
Solidago altissima
Solidago flexicaulis
Solidago ulmifolia
Streptopus roseus
Symplocarpus foet.
Taxus canadensis
Thalictrum dioicum 11
Trientalis borealis
Trillium flexipes
Trillium grandiflorum 11, 12, 13, 14
Triosteum perfoliatum
Uvularia grandiflora
Viburnum acerifolium
Viburnum rafinesquianum
Vicia americana
Viola canadensis
Viola cucullata
Viola pallens
Viola pensylvanica
Viola pubescens 15
Vitis aestivalis
Zanthoxylum americanum

Additional Species:

14, 12, 11 Grass #1 of Kedrons
14 Carex pens.
15 unknown #1

5/9/53

Presence or Frequency
(Common species only)

BEECH WOODS

Stand No. 2024
Quadrat No.

16-20

Actaea pachypoda	Epifagus virginiana	Prunus virginiana
Actaea rubra	Fragaria virginiana	Pteridium aquilinum
Adiantum pedatum	Galium aparine	Pyrola elliptica
Allium triococcum N 16, 18	Galium circaezans	Ranunculus abortivus
Amelanchier sp.	Galium concinnum 17, 18, 19, 20	Ranunculus recurvatus
Anemone quinquefolia 17	Galium lanceolatum	Rhus radicans
Aquilegia canadensis	Galium triflorum 19	Ribes americanum
Arabis canadensis	Geranium maculatum 16, 18,	Rosa sp.
Aralia nudicaulis	Geum canadense	Rubus-raspberry
Aralia racemosa	Hamamelis virginiana	Sambucus canadensis
Arisaema atrorubens	Hepatica acutiloba	Sambucus pubens
Aster macrophyllus	Hepatica americana 17, 18, 19, 20	Sanguinaria canadensis
Aster sagittifolius	Hydrophyllum virginianum	Sanicula gregaria 16, 17, 19
Aster shortii	Hystrix patula	Sanicula marilandica 18,
Athyrium filix-femina	Impatiens capensis	Smilacina racemosa
Botrychium virginianum	Laportea canadensis	Smilax ecirrhata
Brachyelytrum erectum	Lonicera dioica	Smilax herbacea
Campanula americana	Lonicera oblongifolia	Solidago altissima
Carex albursina	Lonicera prolifera	Solidago flexicaulis
(?) Carex pensylvanica 16, 17, 18, 19	Lycopodium lucidulum	Solidago ulmifolia
Carpinus caroliniana	Lycopodium obscurum	Streptopus roseus
Caulophyllum thalictroides	Maianthemum canadense	Symplocarpus foet.
Celastrus scandens	Menispermum canadensis	Taxus canadensis
Circaea quadrisulcata	Mitchella repens	Thalictrum dioicum 18,
Claytonia virginiana	Mitella diphylla	Trientalis borealis
Clintonia borealis	Monotropa uniflora	Trillium flexipes
Conopholis americ.	Oncoclea sensibilis	Trillium grandiflorum 19, 18, 20
Corallorhiza maculata	Oryzopsis aspesifolia	Triosteum perfoliatum
Cornus alternifolia	Osmorhiza claytoni	Uvularia grandiflora 18,
Cornus femina	Osmunda claytoniana	Viburnum acerifolium
Cornus rugosa	Ostrya virginiana	Viburnum rafinesquianum
Corylus cornuta	Parietaria pensylvanica	Vicia americana
Cryptotaenia canadensis	Parthenocissus inserta	Viola canadensis
Cypripedium pubescens	Phryma leptostachya	Viola cucullata
Cystopteris fragilis 18	Pilea pumila	Viola pallens
Diervilla lonicera	Podophyllum peltatum 20	Viola pensylvanica
Dioscorea villosa	Polygonatum caniculatum	Viola pubescens 17,
Dirca palustris	Polygonatum pubescens 16, 18, 19, 20	Vitis aestivalis
Dryopteris disjuncta	Potentilla simplex	Zanthoxylum americanum
Dryopteris spinulosa	Prepanthes alba 18	

Additional Species:

16 umbellatus #1
17 umbellatus #1
18 umbellatus #1
20 umbellatus sedge #1 = C. pedunculata 20

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[illegible]

Data Form No. 60
TABULATION FORM

Plant Ecology Research
BEECHWOODS

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Stand No. 2024

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
HERBS:																							
<i>Carpinus caroliniana</i>																							
<i>Caulophyllum thalictroides</i>																							
<i>Celastrus scandens</i>																							
<i>Chimaphila umbellata</i>																							
<i>Chrysosplenium americanum</i>																							
<i>Circaea alpina</i>																							
<i>C. quadrisulcata</i>																							
<i>Claytonia virginiana</i>	✓						✓		✓													2	10
<i>Clematis virginiana</i>																							
<i>Clintonia borealis</i>																							
<i>Conopholis americana</i>																							
<i>Coptis groenlandica</i>																							
<i>Corallorhiza maculata</i>																							
<i>C. striata</i>																							
<i>C. trifida</i>																							
<i>Cornus alternifolia</i>																							
<i>C. foemina</i>																							
<i>C. rugosa</i>																							
<i>Corylus americana</i>																							
<i>C. cornuta</i>																							
<i>Cryptotaenia canadensis</i>																							
<i>Cynoglossum boreale</i>																							
<i>Cypripedium calceolus</i>																							
<i>Cystopteris bulbifera</i>																							
<i>C. fragilis</i>	✓																		✓			1	5
<i>Dentaria diphylla</i>																							
<i>Desmodium glutinosum</i>																							
<i>Dicentra canadensis</i>																							
<i>D. cucullaria</i>																							
<i>Diervilla lonicera</i>																							
<i>Dioscorea villosa</i>																							
<i>Dirca palustris</i>																							
<i>Dryopteris disjuncta</i>																							
<i>D. spinulosa</i>																							
<i>Elymus virginicus</i>																							
<i>Epifagus virginiana</i>																							
<i>Equisetum arvense</i>																							
<i>E. hyemale</i>																							
<i>Erigenia bulbosa</i>																							
<i>Erigeron pulchellus</i>																							
<i>Erythronium albidum</i>																							
<i>E. americanum</i>																							
<i>Eupatorium purpureum</i>																							
<i>E. rugosum</i>																							
<i>Festuca obtusa</i>																							
<i>Fragaria virginiana</i>																							
<i>Galium aparine</i>																							
<i>G. circaezans</i>	✓																						
<i>G. concinnum</i>	✓	✓	✓	✓							✓	✓		✓				✓	✓	✓	✓	10	50
<i>G. lanceolatum</i>	✓																						
<i>G. triflorum</i>	✓														✓					✓		2	10

TABULATION FORM

BEECHWOOD'S

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TABULATION FORM

BEECHWOODS

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[illegible]

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BEECHWOODS

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[illegible]